

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050107.D
 Acq On : 05 May 2025 20:16
 Operator : RC/JU
 Sample : Q1914-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-3

Quant Time: May 06 05:20:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

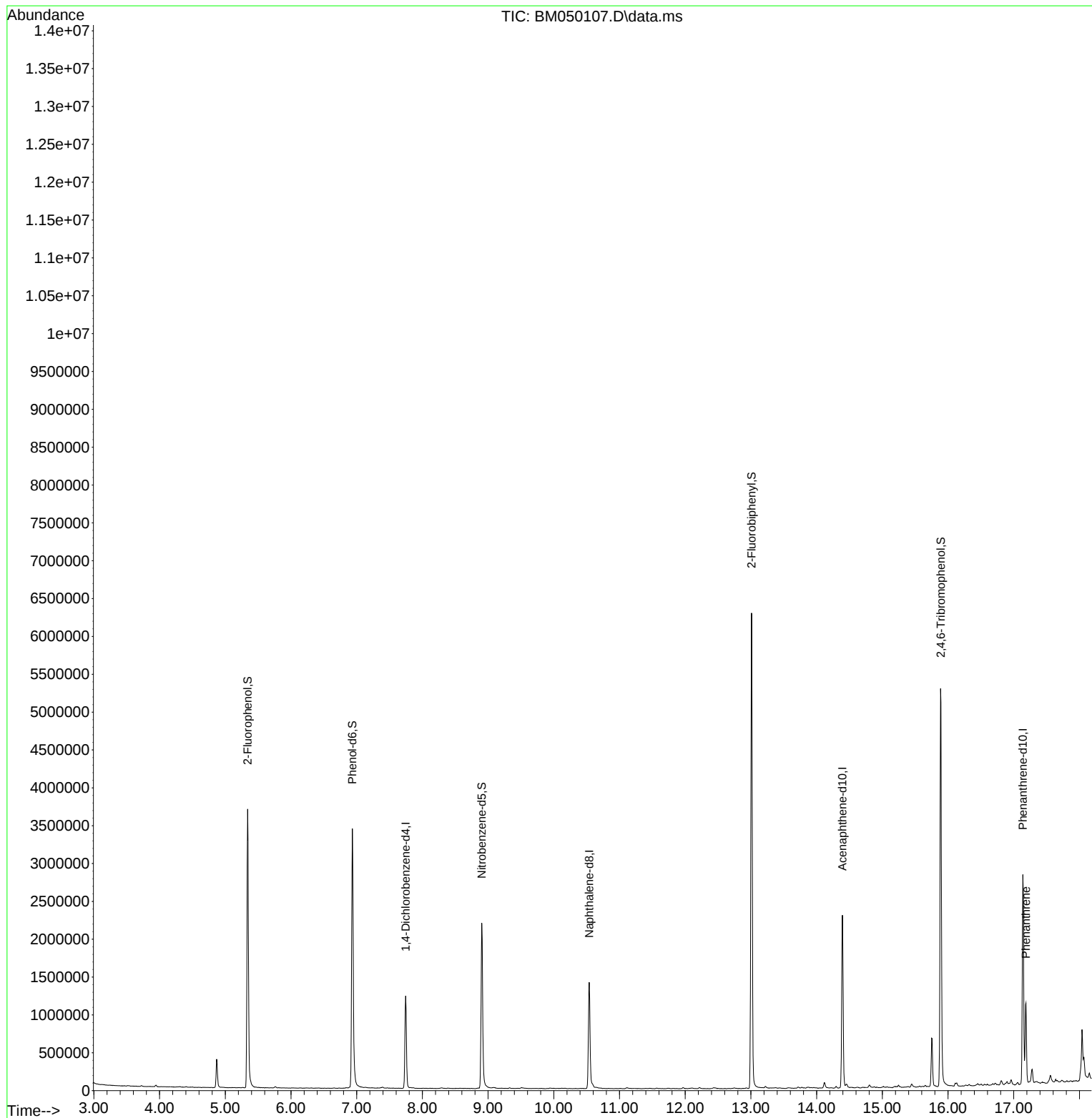
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	368852	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1311014	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	867173	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1719608	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1608473	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1592324	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1805213	85.700	ng	-0.02
7) Phenol-d6	6.934	99	2320709	87.656	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1396497	52.489	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1191305	92.909	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	3608826	49.231	ng	-0.02
79) Terphenyl-d14	19.768	244	5314095	48.888	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.186	178	689452	7.109	ng	100
75) Fluoranthene	19.203	202	1354430	11.895	ng	99
78) Pyrene	19.562	202	1180303	10.450	ng	100
81) Benzo(a)anthracene	21.362	228	626720	5.658	ng	98
83) Chrysene	21.427	228	573228	5.592	ng	98
87) Indeno(1,2,3-cd)pyrene	27.750	276	426350	3.593	ng	97
88) Benzo(b)fluoranthene	23.433	252	754462	7.286	ng	# 97
89) Benzo(k)fluoranthene	23.486	252	275881m	2.634	ng	
90) Benzo(a)pyrene	24.233	252	541813	5.586	ng	95
92) Benzo(g,h,i)perylene	28.803	276	468965	5.065	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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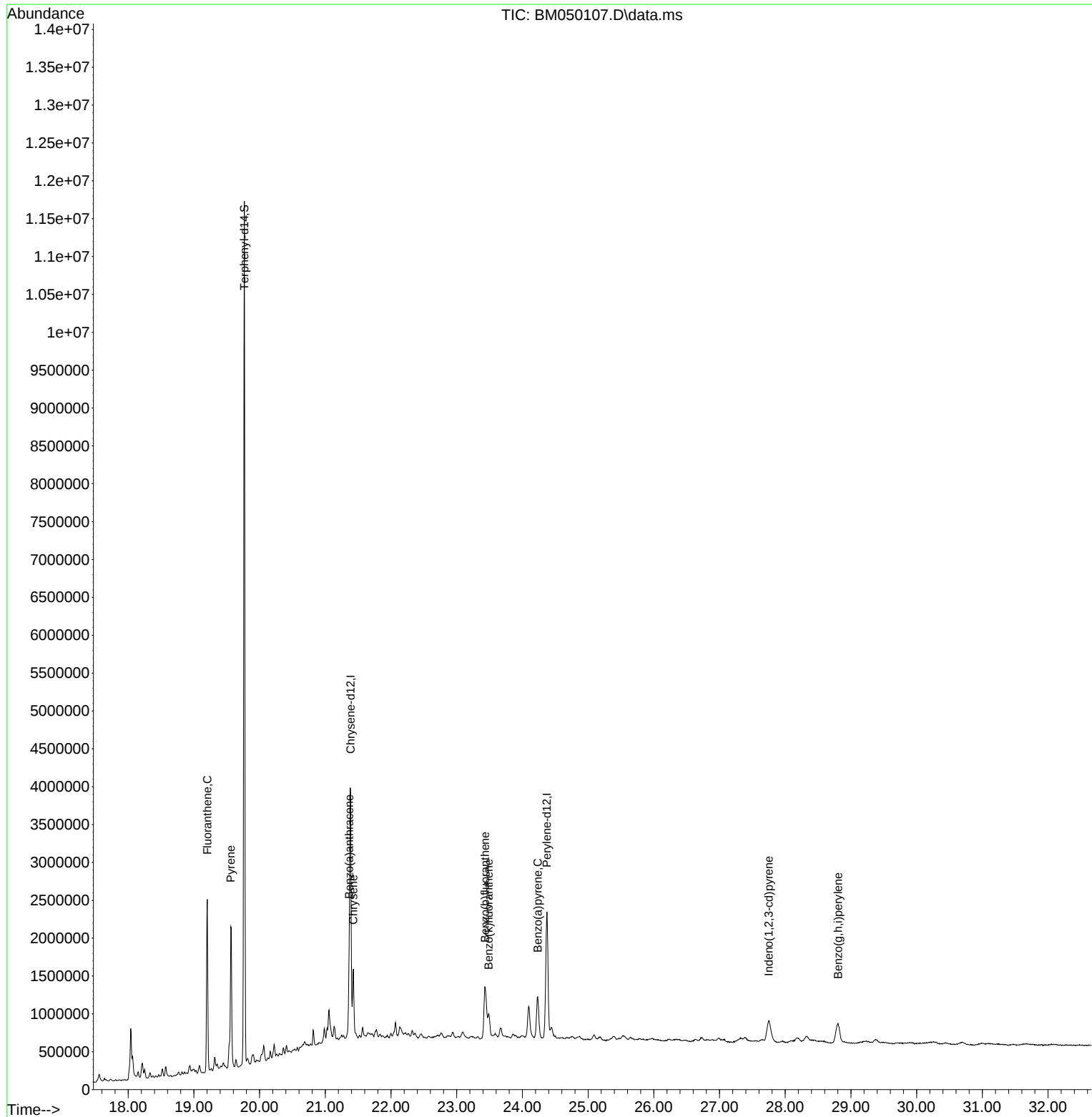
Quant Time: May 06 05:20:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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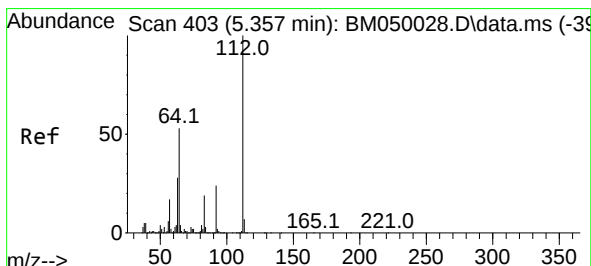
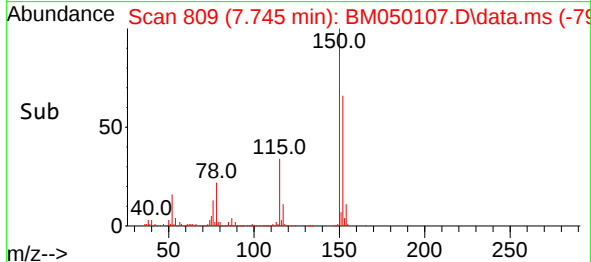
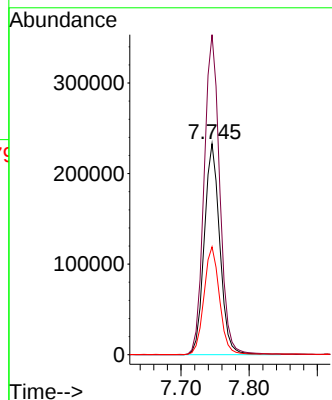
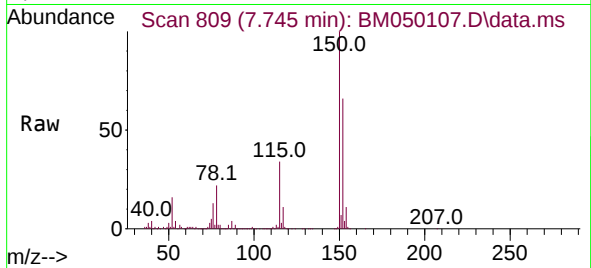




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

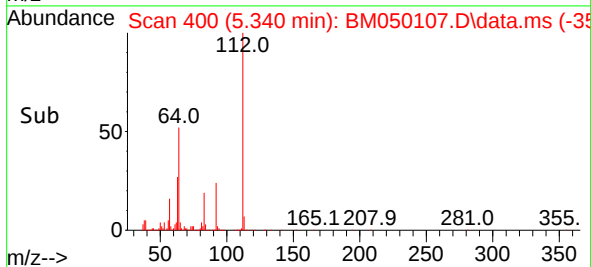
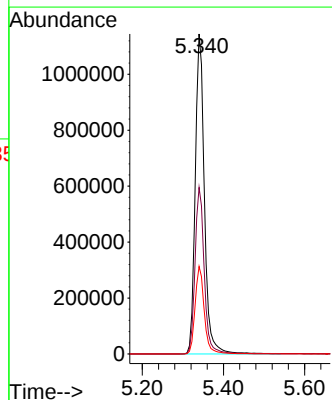
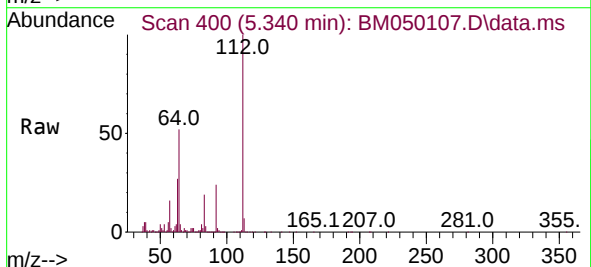
Instrument :
BNA_M
ClientSampleId :
SS-3

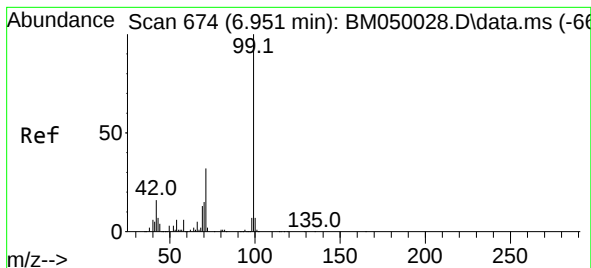
Tgt Ion:152 Resp: 368852
Ion Ratio Lower Upper
152 100
150 151.6 124.1 186.1
115 51.1 41.2 61.8



#5
2-Fluorophenol
Concen: 85.700 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:112 Resp: 1805213
Ion Ratio Lower Upper
112 100
64 52.1 42.6 64.0
63 27.4 22.2 33.4





#7

Phenol-d6

Concen: 87.656 ng

RT: 6.934 min Scan# 61

Delta R.T. -0.018 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

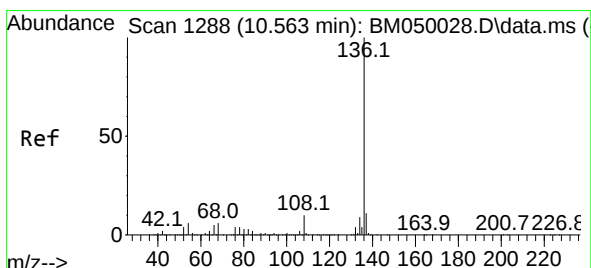
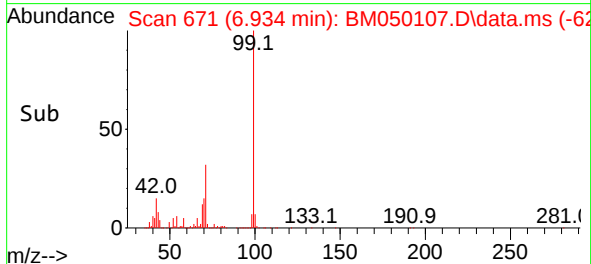
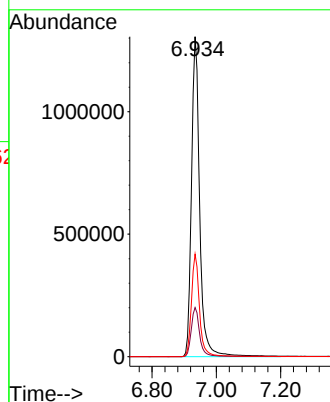
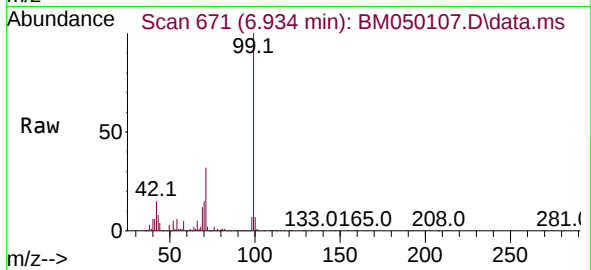
Tgt Ion: 99 Resp: 2320709

Ion Ratio Lower Upper

99 100

42 15.4 13.0 19.4

71 32.0 25.6 38.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.539 min Scan# 1284

Delta R.T. -0.024 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Tgt Ion: 136 Resp: 1311014

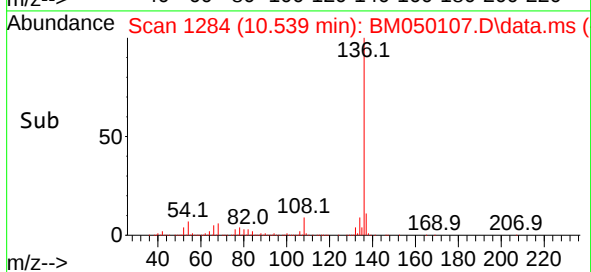
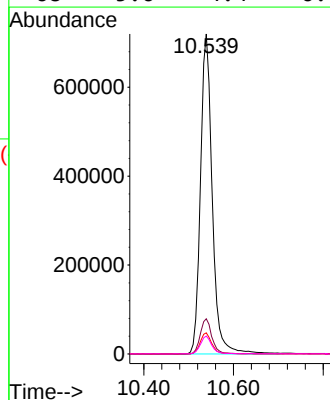
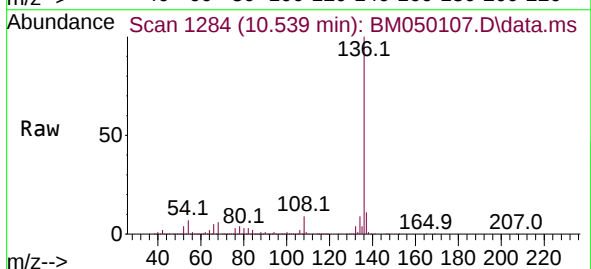
Ion Ratio Lower Upper

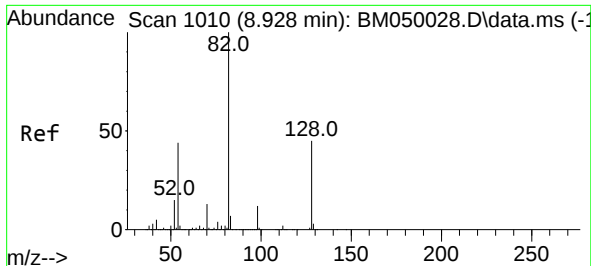
136 100

137 11.0 8.9 13.3

54 6.6 5.1 7.7

68 5.6 4.4 6.6

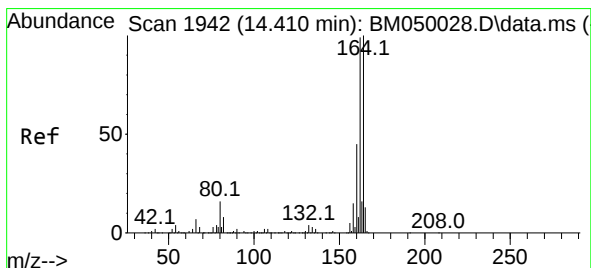
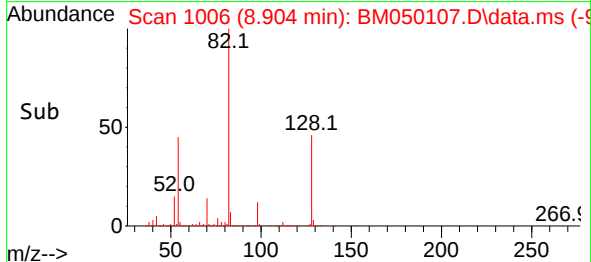
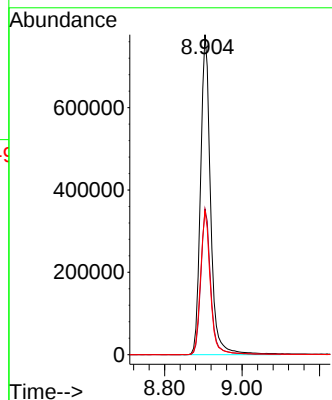
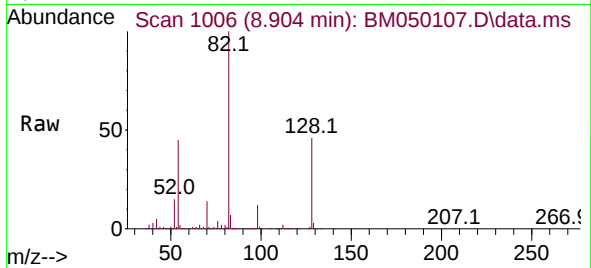




#23
Nitrobenzene-d5
Concen: 52.489 ng
RT: 8.904 min Scan# 1010
Delta R.T. -0.024 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

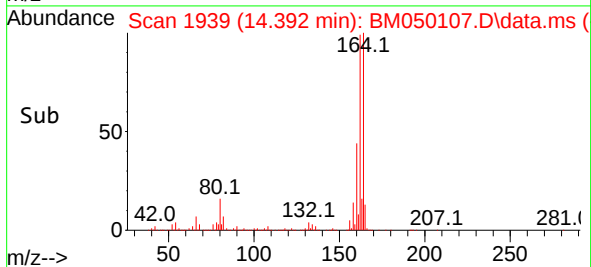
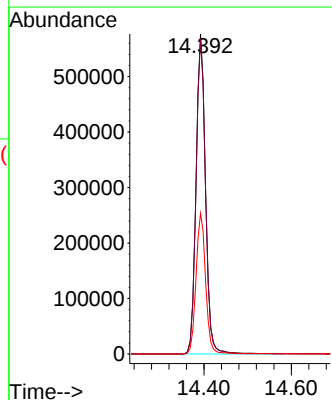
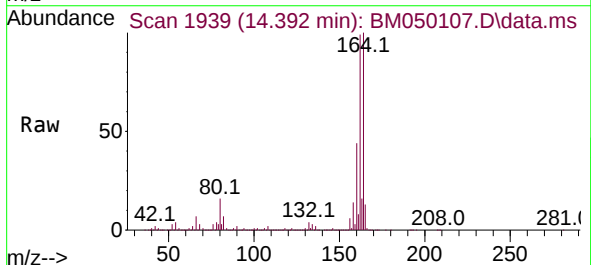
Instrument :
BNA_M
ClientSampleId :
SS-3

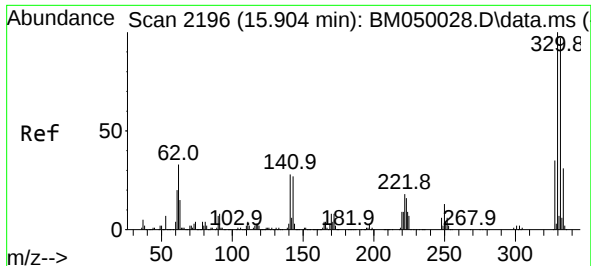
Tgt Ion: 82 Resp: 1396497
Ion Ratio Lower Upper
82 100
128 45.5 35.7 53.5
54 44.9 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:164 Resp: 867173
Ion Ratio Lower Upper
164 100
162 98.6 79.4 119.0
160 44.0 36.2 54.4

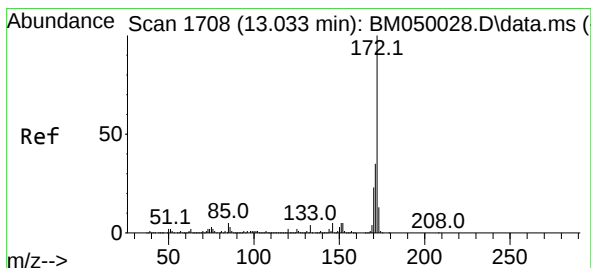
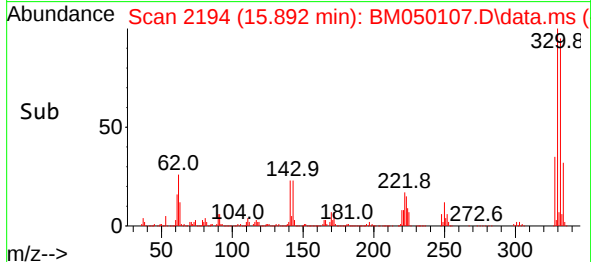
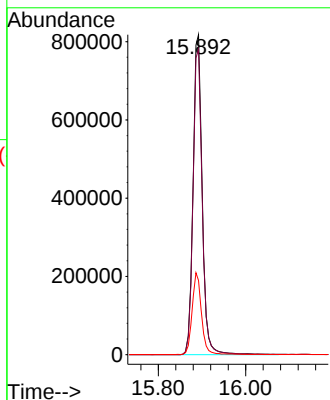
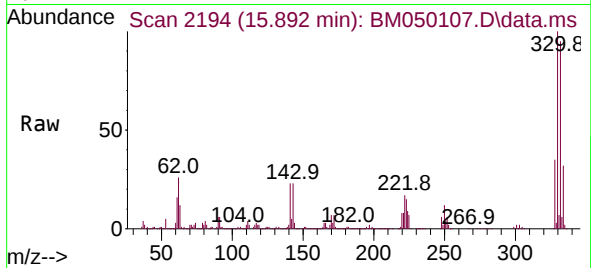




#42
2,4,6-Tribromophenol
Concen: 92.909 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

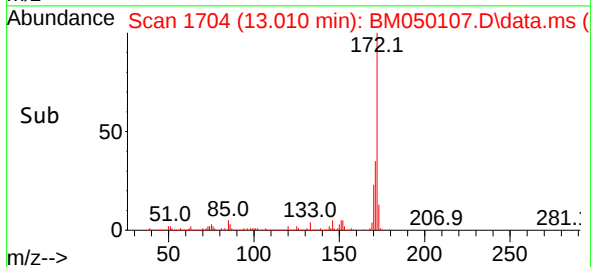
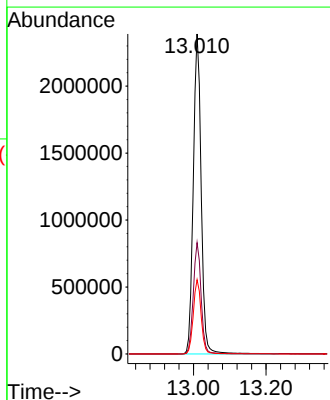
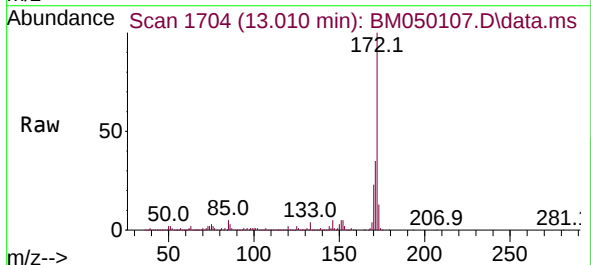
Instrument :
BNA_M
ClientSampleId :
SS-3

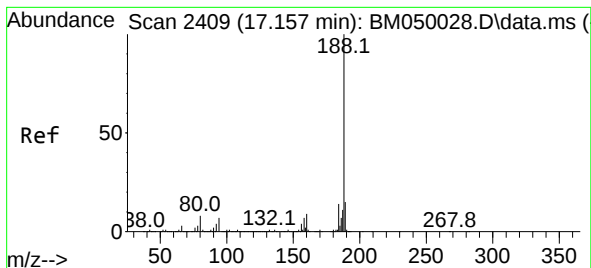
Tgt Ion:330 Resp: 1191305
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 26.3 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 49.231 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:172 Resp: 3608826
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.2 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.139 min Scan# 2406

Delta R.T. -0.018 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

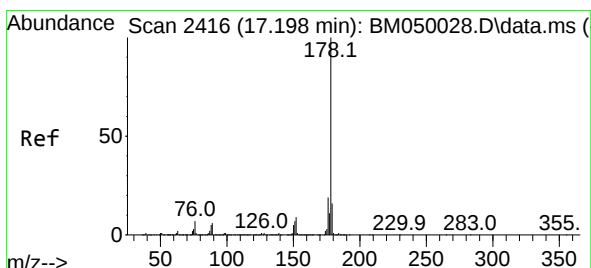
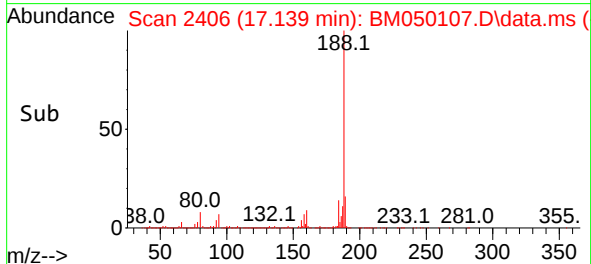
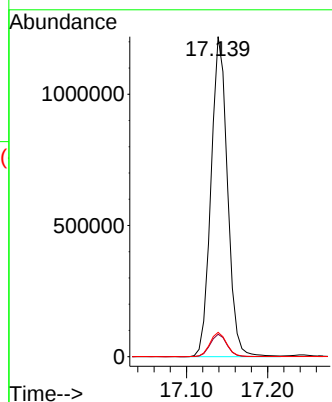
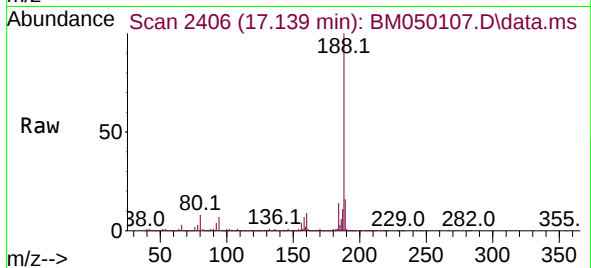
Tgt Ion:188 Resp: 1719608

Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

80 7.6 6.2 9.4



#71

Phenanthrene

Concen: 7.109 ng

RT: 17.186 min Scan# 2414

Delta R.T. -0.012 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

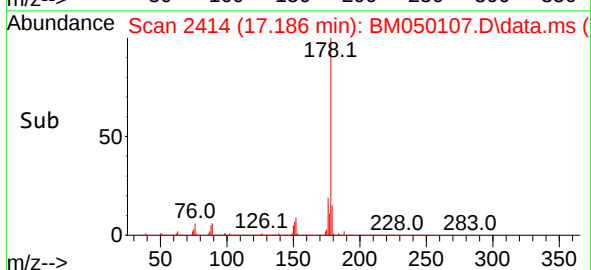
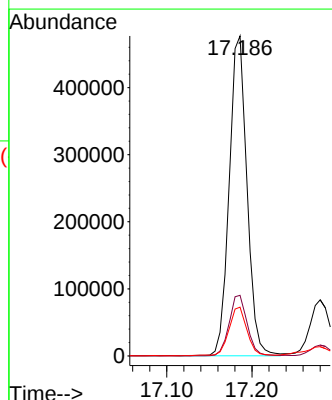
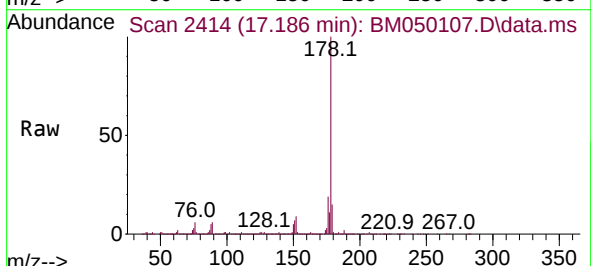
Tgt Ion:178 Resp: 689452

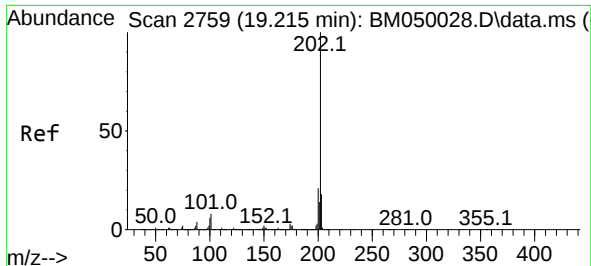
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.3 12.4 18.6

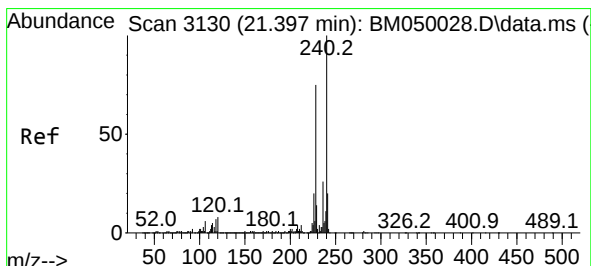
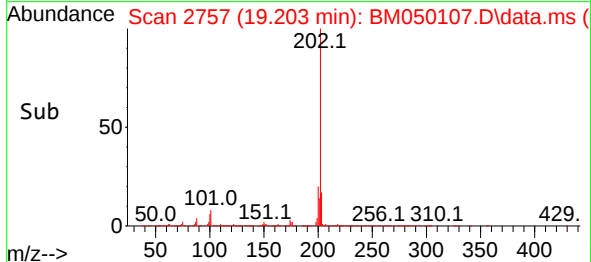
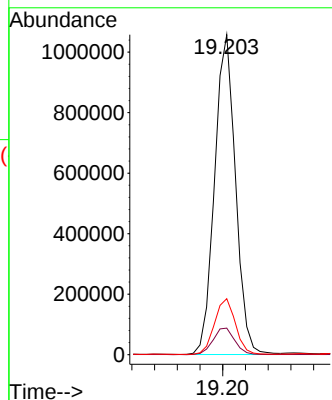
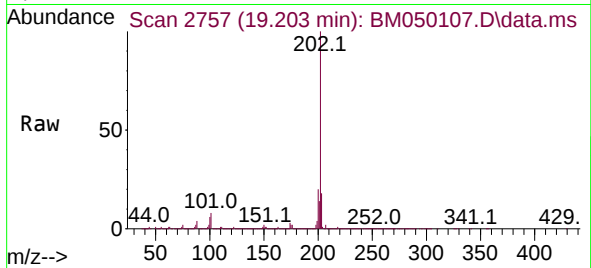




#75
Fluoranthene
Concen: 11.895 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

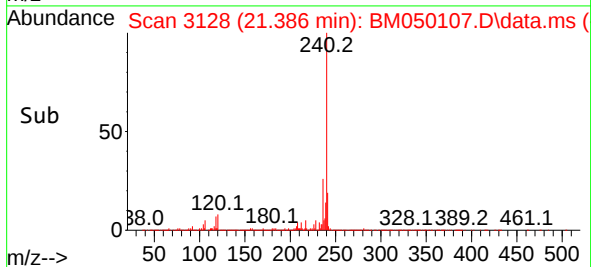
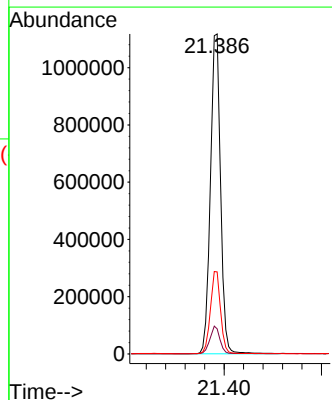
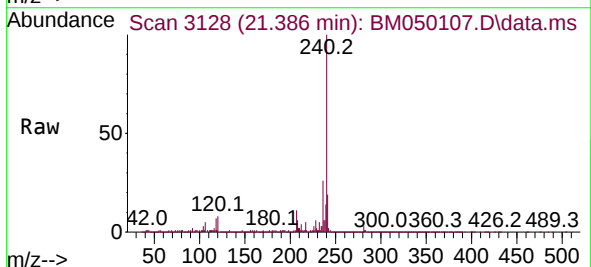
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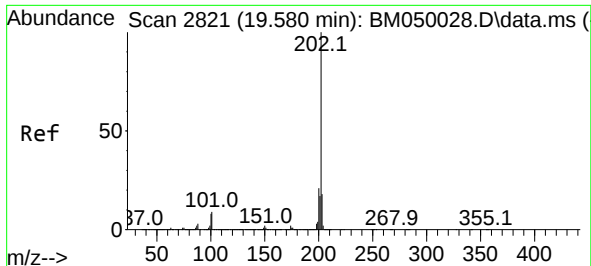
Tgt Ion:202 Resp: 1354430
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.0
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:240 Resp: 1608473
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 25.6 20.9 31.3

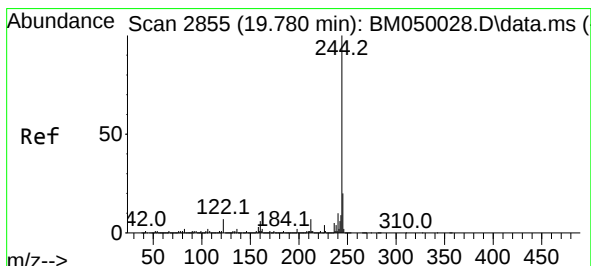
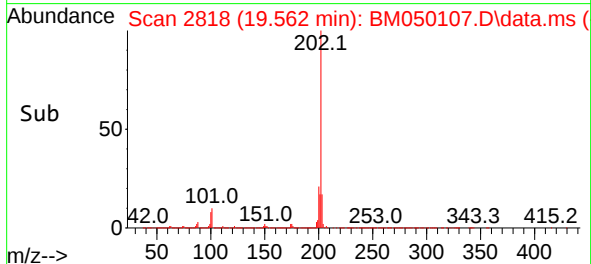
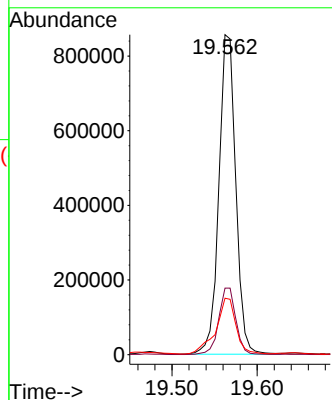
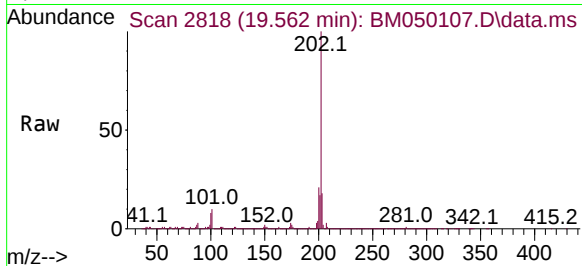




#78
 Pyrene
 Concen: 10.450 ng
 RT: 19.562 min Scan# 2818
 Delta R.T. -0.018 min
 Lab File: BM050107.D
 Acq: 05 May 2025 20:16

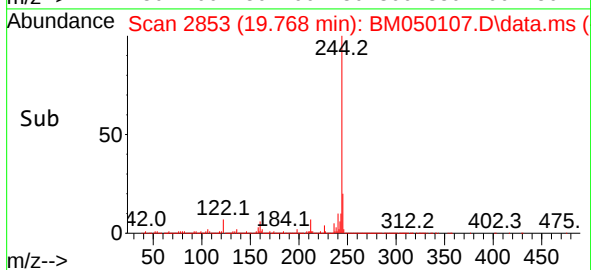
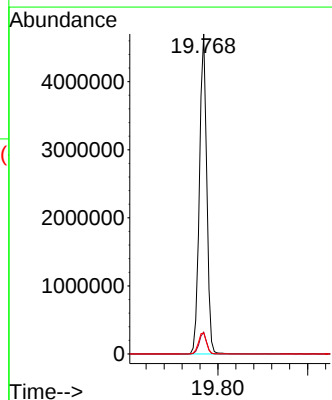
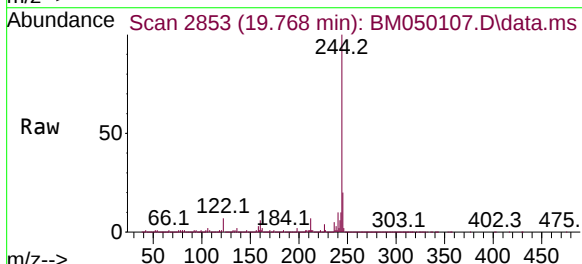
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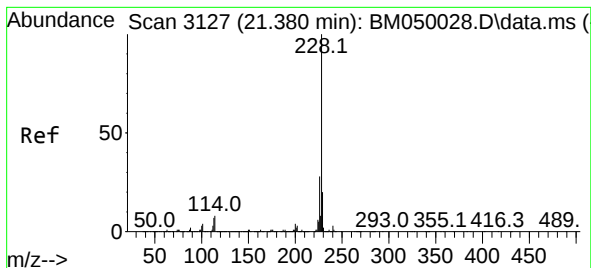
Tgt Ion:202 Resp: 1180303
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.7 25.1
 203 17.7 14.1 21.1



#79
 Terphenyl-d14
 Concen: 48.888 ng
 RT: 19.768 min Scan# 2853
 Delta R.T. -0.012 min
 Lab File: BM050107.D
 Acq: 05 May 2025 20:16

Tgt Ion:244 Resp: 5314095
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 6.6 5.6 8.4





#81

Benzo(a)anthracene

Concen: 5.658 ng

RT: 21.362 min Scan# 3124

Delta R.T. -0.018 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

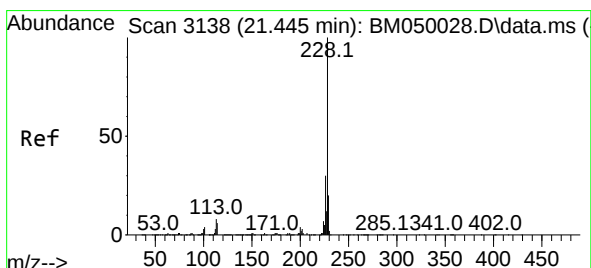
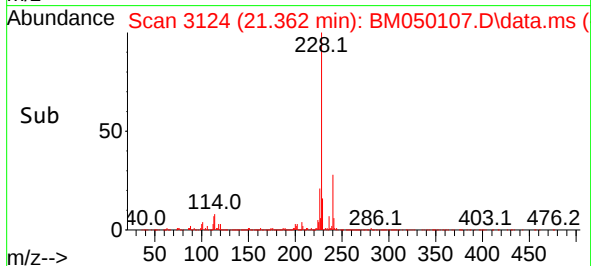
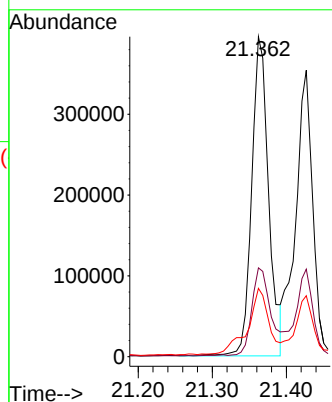
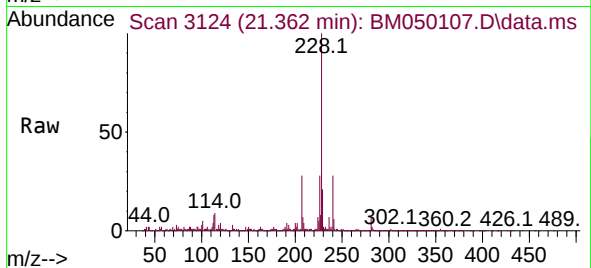
Tgt Ion:228 Resp: 626720

Ion Ratio Lower Upper

228 100

226 27.8 22.1 33.1

229 21.4 15.7 23.5



#83

Chrysene

Concen: 5.592 ng

RT: 21.427 min Scan# 3135

Delta R.T. -0.018 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

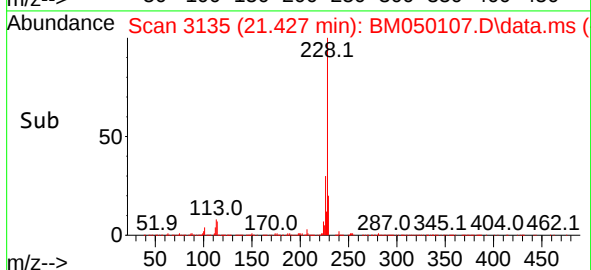
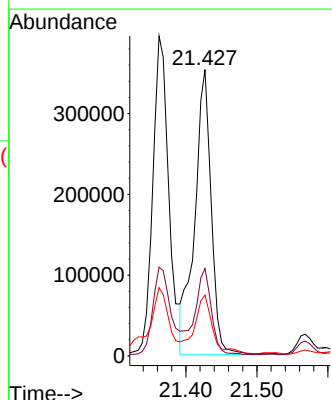
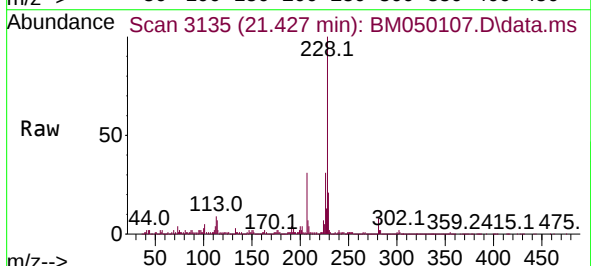
Tgt Ion:228 Resp: 573228

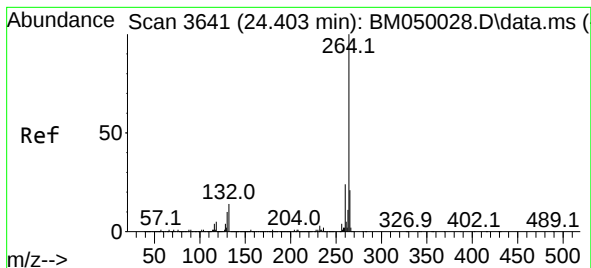
Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

229 21.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

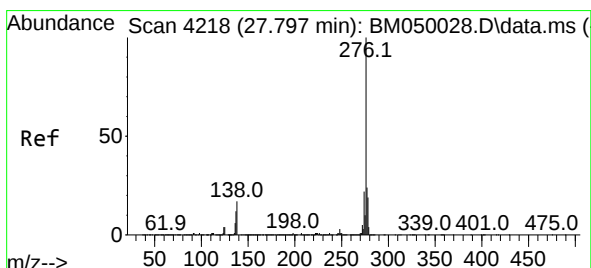
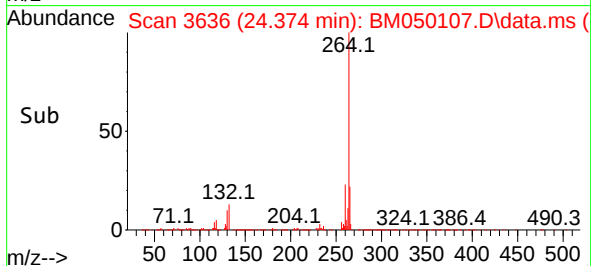
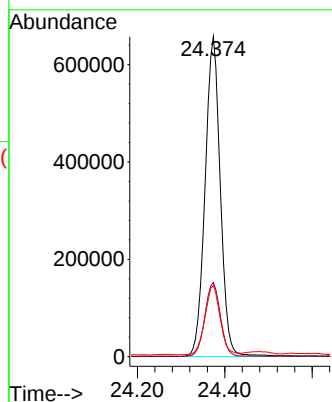
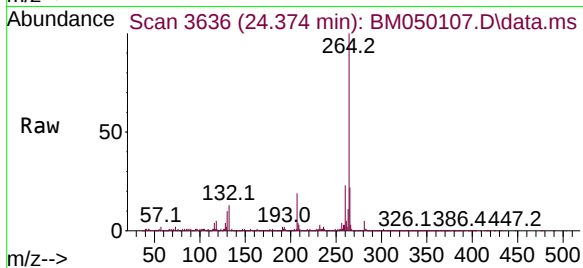
Tgt Ion:264 Resp: 1592324

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

265 22.2 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.593 ng

RT: 27.750 min Scan# 4210

Delta R.T. -0.047 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

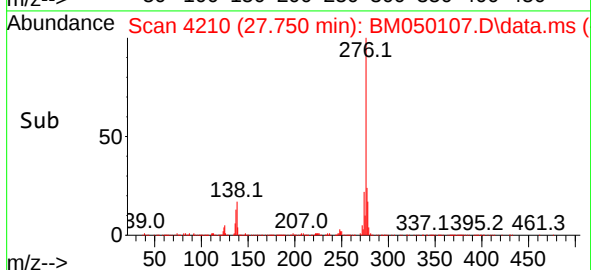
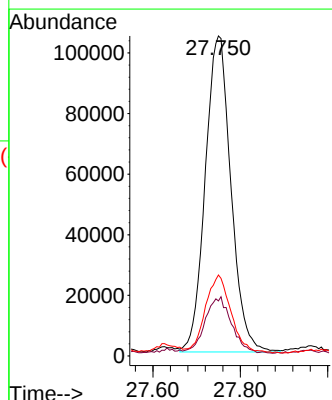
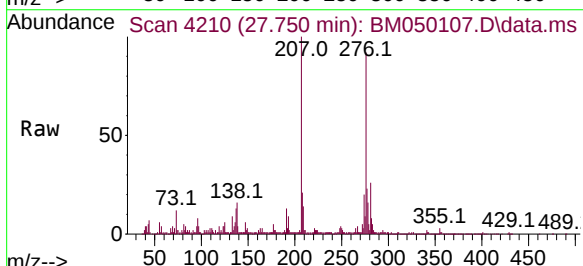
Tgt Ion:276 Resp: 426350

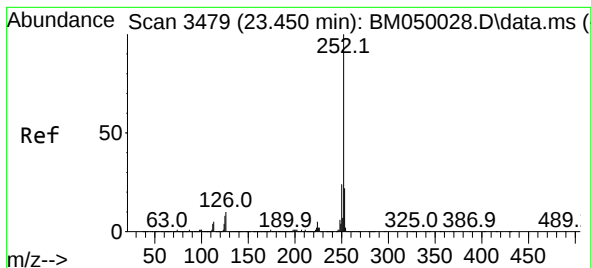
Ion Ratio Lower Upper

276 100

138 17.7 16.4 24.6

277 24.5 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 7.286 ng

RT: 23.433 min Scan# 3479

Delta R.T. -0.018 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

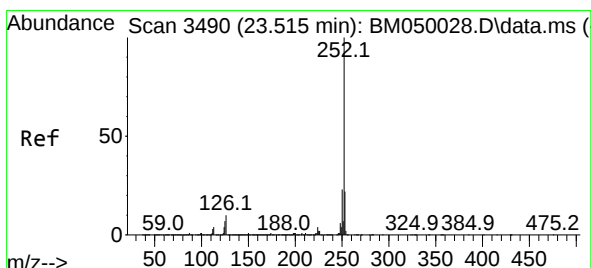
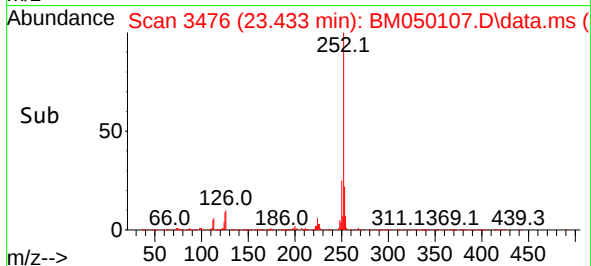
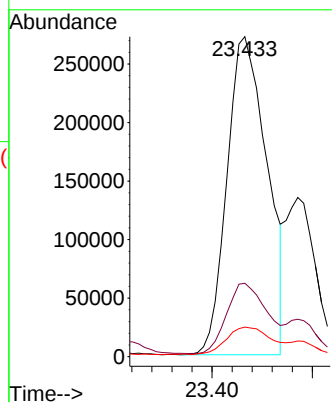
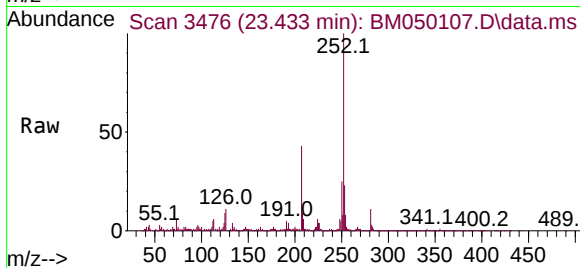
Tgt Ion:252 Resp: 754462

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 9.3 6.1 9.1#



#89

Benzo(k)fluoranthene

Concen: 2.634 ng m

RT: 23.486 min Scan# 3485

Delta R.T. -0.029 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

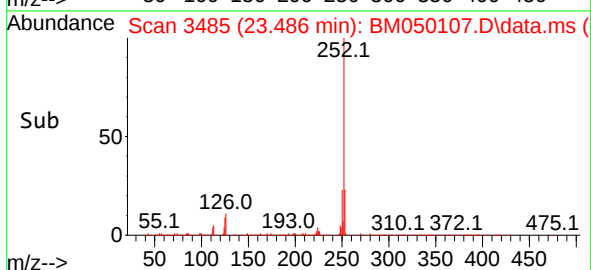
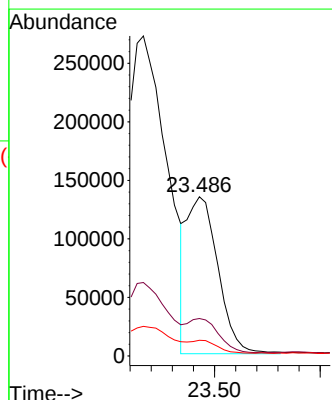
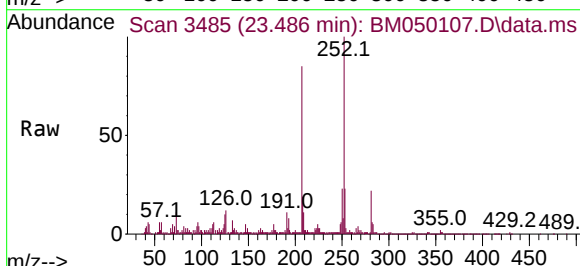
Tgt Ion:252 Resp: 275881

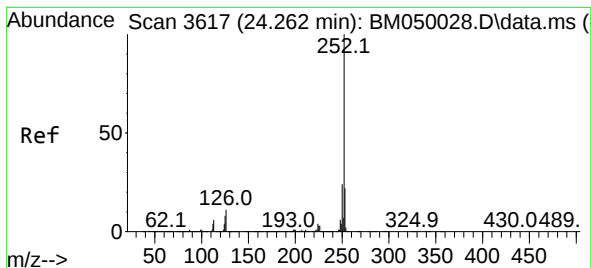
Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

125 9.9 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 5.586 ng

RT: 24.233 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

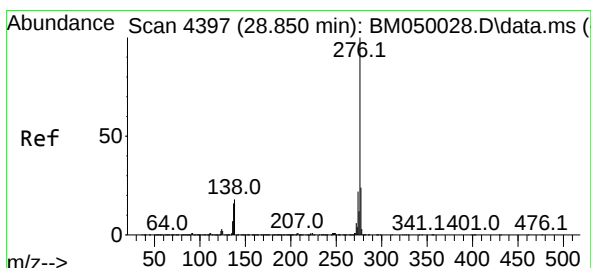
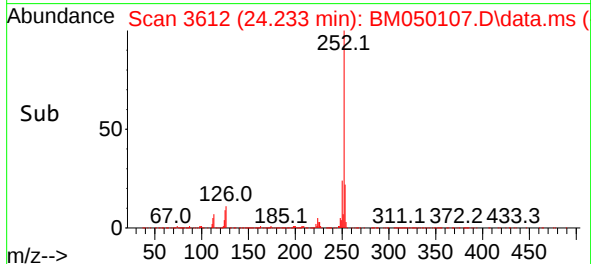
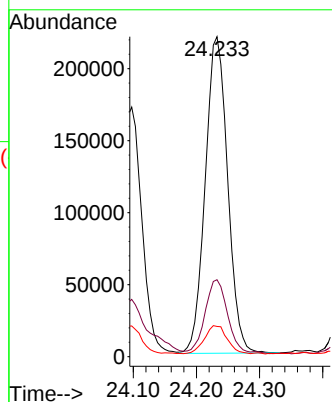
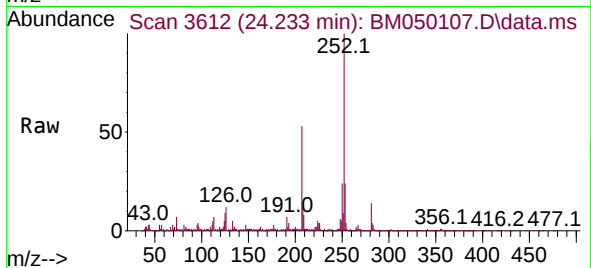
Tgt Ion:252 Resp: 541813

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

125 9.4 6.6 9.8



#92

Benzo(g,h,i)perylene

Concen: 5.065 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Tgt Ion:276 Resp: 468965

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 18.6 14.3 21.5

